



Description of EP1183996

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[0001] The invention relates to a wachstumsförderndes apparatus. Such an apparatus is from the WHERE 92 /12761 A1 well-known. However this apparatus exhibits completely different construction than the according to invention and works according to completely different principle (z. B. Present to the well-known, according to dimensioned apparatus on the body region which can be treated). Thus this well-known apparatus could not deliver a model for the solution of the invention-specific task.

[0002] The apparatus according to invention is the basis the task, users several times (repeatedly) in time intervals to a stretched body position and/or. to bring into a body position with stretched torso, which promotes growth. Is the apparatus in more vertical (standing or sitting users) or horizontal situation (of lying users) usable to be, under smallest possible cost and as space saving as possible to be accommodated be able.

[0003] For the solution of this task the growth-promoting appliance of the initially mentioned kind is characterised in that it into actually well-known way a bar provided with a length meter scale exhibits according to invention, along which is a measuring pole (measuring carriages) shifting and festellbar, at some counting device, in particular with digital indication, is intended and that the measuring pole exhibits a pushbutton, that during contact by head or fingertips itself in stretched position and/or. with stretched torso of user present is activatable.

▲ top [0004] From in the DE 38 35 609 A described linear measuring instrument follows to be familiar to arrange along a bar of a linear measuring instrument provided with a meter scale a measuring pole (measuring carriages) shifting and festellbar at which () a counting device is intended with digital indicator in particular. With this well-known apparatus it acts as mentioned around a bare apparatus to the sensing of the body length of the user, with whom the users as with the apparatus according to invention is not to stretch itself. Otherwise the result of measurement would be rather wrong and unwanted. In particular the apparatus for persons is

suitable, who are in growth (4 to 21 - year old). In addition by the constant use of the invention-in accordance with-eaten apparatus spinal column and Halswirbel become lively a healthier attitude.

[0005] Further favourable items of the invention are below described on the basis the design more near. Show: Fig. 1 the growth-promoting apparatus in side view and Fig, arranged at an attachment slat. 2 the apparatus in accordance with Fig. 1 at an armchair seat-back fastens, in diagonal view as well as Fig. 3 the growth-promoting apparatus in a bed of lying users in side view and rather schematically represented. The apparatus consists provided bar of one with a length meter scale 5 (in mm), along which a measuring pole (1) (measuring carriage) shifting and by means of fixing screw (2) in a desired position can be recognized. The length meter scale (5) can be manufactured made of light alloy or high-grade steel in form of a piece of profile or a tube. The bar is arranged at a base, those for example at a wall for standing persons (Fig. 1) or a chair seat-back (Fig. 2) for sitting persons in different heights depending upon the body length of the user is fastenable. The growth-promoting apparatus is fastenable also at a bed (Fig. 3), whereby it is usable both at home and in hospitals. The base can from light alloy, high-grade steel, plastic or wood (noble wood, e.g. 1300 mm long) manufactured its. In the case of the Fig. 3 is at the bed head - and foot-laterally one vertical wooden plate each 6, 8 attached, whereby the head of the user rests against that springily to bedding fastened wooden plate (6). Behind it are a pushbutton 4 for operation. At the plate 6 with the head pushing away the users stretches his body and tries at the plate 8 arranged the pushbutton (3) for the measuring instrument with from the top of the bed from readable to release increased at the panel 10 arranged digital display (99). As from Fig. is evident to 3, rest the feet of the user against a flexible panel (10a), which is fastened springily to the associated wooden plate (10). If this succeeds to it, then an acoustic signal is released and it communicates digital numbers that and/or. as the users its goal reached.

[0006] The ?measuring pole? (measuring carriage) contains a display with a counting device, which indicates the successful operating procedures, if the users with its head the adjustable measuring pole affects. The measuring instrument is activated by a pushbutton (3) due to contact of the head or the fingertips of the user. Composition the digital indicator can be brought to a button (7) with maximally 99 release procedures the stall zero. In the digital mechanism also still different data are as for instance date and body length measured in each case storable, all to be able to observe better the increasing growth (body length) of the user through longer periods. As wages of the achieved goal the digital mechanism knows a small sweet (z. B. Chewing gum) or a coin eject. In addition the body length of the user is readable either on the length meter scale or by digital indication of number on the display of the counting devices. The measuring instrument is operated with batteries (3V, 6V or with 9 V), whereby unpleasant current impacts are not possible.

After multiple reaching of the adjusted desired height the users the possibility has of shifting the measuring pole (1) upward one or more mm further and of striving of achieving the new height with the head.

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1. Growth-promoting appliance, characterised in that the apparatus in actually well-known way, one with a length meter scale (5) provided bar exhibits, along which is a measuring pole (1) shifting and ascertainable, at some counting device, in particular with digital indication (99), is intended and that the measuring pole (1) exhibits a pushbutton (3), that during contact by head or fingertips itself in stretched position and/or. with stretched torso of user present is activatable.

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